

ARTINIQUE MINING CORPORATION
1311 WEST 2150 SOUTH
SYRACUSE, UTAH 84075-----

DIV. OF OIL, GAS & MINING

-----November 1st, 2015

# PLAN OF OPERATIONS SUBMITTAL UPGRADE TO EXISTING NOI – PERMIT S/017/0043 CRESCENT CREEK/ MAY DAY MILL

#### **DESCRIPTION:**

At present Martinique Mining Corporation, (MMC), operates, and has operated a mining/milling small mine permit, under S/017/0043 at Crescent Creek/ May Day Mill. This permit occupies 2.56 acres under the present permit.

MMC, would at this time like to upgrade the present small mine NOI, into a Plan of Operations status permits for the same site. MMC DOES NOT INTEND TO EXPAND THE PERMIT SIZE.

MMC intends rather to install newer process equipment, install a new water retention pond for the fully recirculation gravity separation process facility, and remain within the existing 2.56 disturbed area at present.

#### **CORPORATION CONTACT INFORMATION:**

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ROBERT O. HOGGATT – DIRECTOR 435-650-3664 100 South Center Street, Hanksville, Utah 84734

(PLEASE SEE ATTACHED AMENDED NOI FOR FULL INDIVIDUAL CONTACT INFORMATION)

MMC REGISTRATION AND BUSINESS INFORMATION:

EIN # 87-0609400

UTAH STATE DEPT. OF COMMERSE ENTITY # 5559155-0143

UTAH STATE TAX ID # E-64785

GARFIELD COUNTY UTAH BUSINESS LICENSE & CONDITIONAL USE PERMIT # 1309

UTAH DIVISION OF OIL, GAS, & MINING PERMIT # \$/017/0043

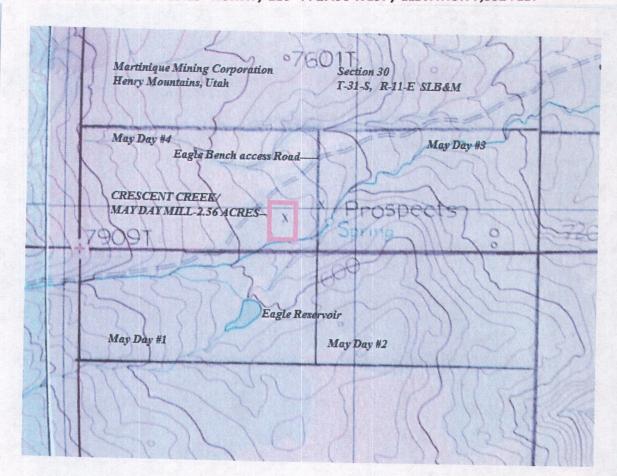
# UTAH STATE WATER RIGHTS # 95-240 MSHA MINE ID# 42-02188 PROJECT LOCATION INFORMATION

MAY DAY MILL – se1/4, sw1/4, OF THE sw1/4, SECTION 30, TOWNSHIP 31-S, RANGE 11 EAST USGS RAGGY CANYON, UTAH – SLB&M

BLM CLAIM: MAY DAY #4 - UMC # 287991

BLM - UTU# - 71615

GPS COORDINATES - 38\*04'29.13" NORTH / 110\*44'27.96 WEST / ELEVATION 7,552 FEET



#### Descriptive location of project site:

From Hanksville, Utah, travel south on highway U-95 S to mile marker 20. Turn right on gravel road to BLM geological site "Little Egypt" and beyond for 4 miles and turn right up Crescent Creek access road to Eagle bench, another 7 miles to May Day Mill on left.

Area is remote and 4 wheel drive may be needed to access the site. May Day Mill is 32 miles south and west of the town of Hanksville, Utah. All visitors to the site should bring safety equipment such as hard hats, bottled water, and emergency food stuffs in case of breakdown or flash flooding road closures.

#### THE OPERATIONAL PLAN

May Day Mill is presently permitted under a small mine NOI approved by all agencies many years ago. Bonding has been in place for the 2.56 acre project site as well. The original NOI approves a 50 ton per hour process facility in simple gravity separation and concentration methods using contained and recycled water only. BLM has limited the mill to an exploration phase level of development of 1000 ton process runs under the existing NOI. MMC desires to be more productive and not limited in tonnage production processing so as to properly maintain a working business.

#### **UPGRADE PLAN FOR MAY DAY MILL & MINE**

MMC would like to upgrade the existing NOI into plan of operations status. We would not increase disturbed acreage at this time, staying within the approved permit perimeter of 2.56 acres. Upgrades would include larger tonnage per hour equipment, an upgraded and larger water containment pond, and upgraded mine office communications systems.

This is a very simple Plan of Operations upgrade for an already existing and bonded site plan, under existing permit S/017/0043. The main target tonnage per hour would increase to a standard gravel aggregate operation of 200 tons per hour. At this tonnage rate, gold production feasibility would be achieved for the project area.

A simple gravity separation process has proved excellent for high level percentage extraction of precious metals within this particular geological alluvial system.

#### **EQUIPMENT UPGRADE FOR PROJECT SITE**

The equipment upgrades are simple for the site. We will deploy the same types of gold separation equipment to the site, just in larger units.

- 1. (1) 7' x 30' Tromel Rotating barrel wash plant and grizzly feeder.
- 2. (2) 20' x 48" metal sluice systems with riffles
- 3. (5) 42" x 42" Duplex gold concentrating Jig systems
- 4. (1) Mobile Van or shop trailer (on site) for parts and tools.
- 5. (1) Mobile Mine Office trailer (30') for safety gear and communications
- 6. (1) Mobile RV camp trailer (for security on site)
- 7. (4) 20' conveyor belts for gravel discharges
- 8. (4) Misc. pumps and piping systems, metal for fabrications.
- 9. (2) Electric Generator sets 250 KW system and a 40 KW system for office
- 10. Misc. electrical switching and MSHA approved cable systems
- 11. (2) On site "Porta-Pody" systems (maintained weekly)
- 12. (1) On site fresh water storage tank (for drinking water and wash water) 300 gallon.
- 13. (1) Main fuel tank system with liner installation 1000 gallon
- 14. (1) Cat 980 L front end loader unit with forks
- 15. (1) John Deere 955 front end loader unit with forks.
- 16. (1) 50' x 100' x 15 feet deep water containment pond with HTME lining system
- 17. (1) 60' x 70' x 10 feet deep water containment pond with HTME lining system (existing)
- 18. (2) 8' x 40' metal open tank settling vat systems (prior to containment ponds.
- 19. (1) 8' x 20' metal mobile frac tank with axles ( for concentrate transport).
- 20. (1) small 10 ton per hour mobile crushing and concentration unit with Deister tables.

Misc. tools, welding supply, pipe and plumbing parts, paints, oils, and grease systems storage in shop.

#### **OPERATIONAL OVERVIEW**

The gravity separation technique is very simple as the raw head ore is first mined and then introduced into the grizzly feeder system above the tromell wash plant. The grizzly may have water spray bars installed so as to properly wash the fine particle soils from the rock. This will be the first classification of the head ore. The wash plant rotates with materials inside the barrel, which washes and cleans the fine gold bearing soils from all sizes of gravel or porphyry rock in this system. There are 4 separate discharge areas emanating from the tromell wash plant. The first at the grizzly feeder, the second and third screen classifiers, and the fine particles discharge into the standard 20 ft. sluice system. The sluice system collects and retains larger particle gold flakes and nuggets as the slurry passes. The sluice will discharge and split the flow into 5 separate 42' duplex pulsating jig units, which by gravity pulsation allows the heavy gold and precious metals to flow downward into the jig lower discharge sets, and the light flow of materials to flow through the jig hutch sets and discharge on to the de-silting units. The underflow concentrates will flow into a metal catchment tank system which will be transported to the marketing and refining set up.

The tailings soils will flow into settling ponds which will phase from 2 metal settling tanks, into 2 primary settling ponds, and then on to the main primary water containment pond system. All waters are completely re-circulated at all times and discharge of water is permitted to enter ground water or creek flow systems in the area. Tailings are tested on a weekly basis for metals occurrence, and this system has shown all tailings are suitable for reclamation use once processing is complete.

The entire system operates electrically, and fuel systems will be properly deployed to the site in accordance with all State and Federal regulation for fuel storage. All equipment deployed to the site will be in compliance to all State and Federal rule and safety practice. In all this is a simple gravel washing operation which separates gold and precious metals from the alluvial gravels.

#### WATER MANAGEMENT

Our primary water source is Eagle Reservoir. We have an underground 4" pipe system from the reservoir to the water containment ponds. This pipe system has valves at the reservoir as well as a clean out and screen system. There are primary valves installed at the containment pond as well. These systems are presently installed and part of the present approved permit. Once pond systems are filled from the main reservoir, very little make up water is needed to operate the process plant. Natural evaporation is the primary loss of process waters. Some water loss will occur within the concentrate production and collection process and transport from the site to the buyer. Very little water loss will occur during process hours as we take great care not to lose liquids at each machine phase of the operation.

#### SPILLS

Water spills can be caused by breakdown of equipment and piping in any system that has been constructed. Immediate cleanup of any spill will be conducted if this occurs. Process supervisors will inspect daily with daily inspection reports for any spill or abnormal operations reporting. These daily reports for all equipment on site, as well as the process plant will be available to all agencies at any time at the site mobile mine office. If any type oil or diesel spill occurs, immediate excavation of contaminated material will be picked up and sent to the landfill in Hanksville, Utah 32 miles away.

#### **ROCK CHARACTERIZATION AND HANDLING**

Our mine and stockpile area consists of just under 2 acres at present. We have plans of a mine expansion looking forward, and will submit additional notice of that in the future. The alluvial gravels in the mine area are formed of diorite porphyry emanating from upper Crescent Creek and the Bromide Basin mine areas. The rock is loose and easily scooped with heavy equipment. Bedrock has been intercepted at a 52 foot depth at the mine. Estimates of tons exceed 50,000 available at the site. The rock itself is hard and fracturing. The ratio from fines to rock in the process target area is 40% fine material from ½" minus, to 60% oversized washed rock from ½" to 20" boulder.

Front end loader units will handle the excavation and transport of the material from the mine area to the process area.

The mine will use a step down terrace system, with a 5% down incline ramp for access. Oversize materials from processing will be used to backfill the mine advance in this small excavation. Mine pit walls will be maintained at a 0.5 to 1 slope ratio and berms on top and bottom will be maintained to federal rule. (See attached mapping and design).

#### SITE QUALITY ASSURANCE

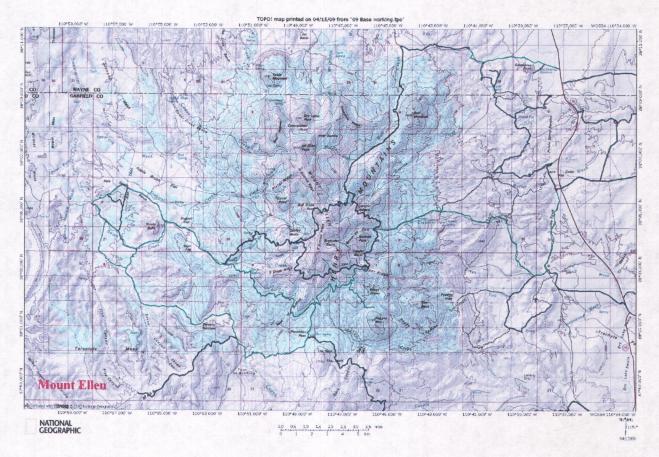
On site shift supervising person ell will handle all daily reporting and assure shift responsibility for all on site fuel, oil, and water quality handling procedures. Each crew member as well as the supervisor will be properly trained to handle any occurrence of oil and water based spillage on site. Employees will inspect these systems at all times during the shift operation.

Communication systems will be installed so as to notify the proper agencies and management of the site in case of any over average spillage of any hydrocarbon based liquid. Site check list documentation paperwork will be provided and kept on file at the site for inspection by any agency concerned with the site.

#### **HOURS OF OPERATIONS**

Plans at start up consist of a 5 day work week and only day shift. These shifts to begin will be 8 hour shifts. Once operations have shaken down we may increase schedules to add a night shift, for the same 5 day week schedule. Looking forward with operations we could increase to a 24 hour per day schedule by mid 2016. The operations at May Day Mill site and Crescent Creek Mine are planned to continue for the life of the mine which could be up to 30 years, as our present consulting indicates.

Weather and increased precipitation amounts can cause shift changes and alterations during winter operational months. Safety for employees is our foremost concern with all operations, and the mill site is located at an altitude of 7,455 feet above sea level. Enhanced snowfall may cause difficult access conditions for crew vehicles advancing to each shift. Shift hours of operations may be altered during these types of conditions, with snows and summer monsoon flood situations in Crescent Creek crossings below the mill area.



THE HENRY MOUNTAIN PROJECT AREA.

#### **RECLAMATION PLANNING**

At present, Martinique Mining Corporation has a reclamation bond in the amount of \$31,388.00 on file with the Utah Division of oil, gas, & mining for the existing permit \$\, \text{S}\, 017\, 0043.

The reclamation of the May Day mill and mine site is very simple and straight forward. Existing premining terrain was sloped slightly from north to south towards the existing drainage of Crescent Creek. The slope angle was 2.5% flowing from north to south from a halfway point in the permit area at the north boundary. From this halfway point within the permit area, the slope fell from south to north at only a slight flattened grade towards the main eagle bench access road. The grade slope in this area was only 1% fall from south to north. This is why the area was originally chosen for the mill site.

Site re-sloping and excavation will be completed by using a single excavator for the 2.56 acre permit area. This type machine allows for very specific grading and rip raff positioning for the site. All equipment and pond lining systems can be removed, as well as all piping and mining hardware. Once complete re-sloping of the permit area has been achieved a full re-seeding of the area will be completed. MMC has grown natural seedling Ponderosa Pine tree within the permit area at present which we intend to transplant into the reclamation area once mining has ceased. These seedlings are

specifically grown from the seeds of the surrounding forest for this specific purpose. Any area we develop, and do not use on the fringe of the permit area, we propose to transplant these seedlings as the operations proceed during the years to come. To date, we have successfully grown over 40 of these small seedlings within the May Day Mill site, which we protect from development at this time.

## Reclamation cost breakdown and calculations

Referring to the above equipment listing for the site we have calculated that it will require a total 8 transport trucking units in order to remove the heavy equipment from the site. Quotes from local transport companies have averaged \$850.00 per transport. There will be 2 units which do not require heavy transport trucks. These units are smaller mobile office and an RV unit which will require a smaller pick up transport vehicle to remove. Cost of this transport is \$400.00.

Excavation of the tailings ponds and removal of the lining system will require and excavator approximately 20 hours to complete, and re-grade the tails pond area. Quotes for excavator use for this procedure show a \$225.00 per hour cost. The total would be \$2,250.00 for the removal of the tailings systems, which would include removal of the buried piping system as well.

Re-seeding costs are followed using the provided area BLM seeding list and cost sheet. Natural area seed will be used and distributed using the technique provided by BLM and State DOGM biologists, which includes small disc and rake units. Biologists recommend a mixed 1.8 LB per acre seed mixture to begin the reclamation process. We will seed 2.0 LBS. per acre with the suggested seed mixture so as to round off the cost of reclamation seed. Average seed price is \$90.00 per LB. Total seed price would be \$270.00. The re-seeding of the site would require the small rake and disc tractor to evenly spread seed throughout the permit area. The procedure would require 10 hours to complete. Cost of the equipment would total \$1,125.00, for the 10 hour use and the transport to and from the site.

- 1. 8,000.00 for 1<sup>st</sup> acre (5 year escalation plan under 5 acres)
- 2. 5,100.00 2<sup>nd</sup> acre
- 3. 5,100.00 3<sup>rd</sup> acre
- 4. 6,800.00 8 equipment transports
- 5. 400.00 mobile office and RV transport
- 6. 2,250.00 tails pond removal and re-grade
- 7. 270.00 seed
- 8. 1,125.00 tractor rake and seed project

Total Reclamation site cost estimate for May Day Mill - \$29,245.00

Martinique Mining Corporation has in place an existing \$31,388.00 reclamation bond for the site at this time. This total leaves a small cushion for variables concerning the reclamation of the May Day Mill site.

MMC plans to operate to the fullest of standards and beyond as far as safety for employees, and strict policy concerning degradation of public lands and waters of the State of Utah. Permit perimeter boundaries will be marked with T post and flagging to insure operators understands the limit of operations in the area. All trash and debris, including rest room facility refuse will be transported to the proper Hanksville, Utah disposal facilities.

MMC has operated in the area for over 15 years with little to no infractions in all respective mining areas and all respective operational agencies. We will continue operations within this same company policy attitude and transparency.

Thank you very much for your time and considerations

Kim E. Wilson

Martinique Mining Corporation

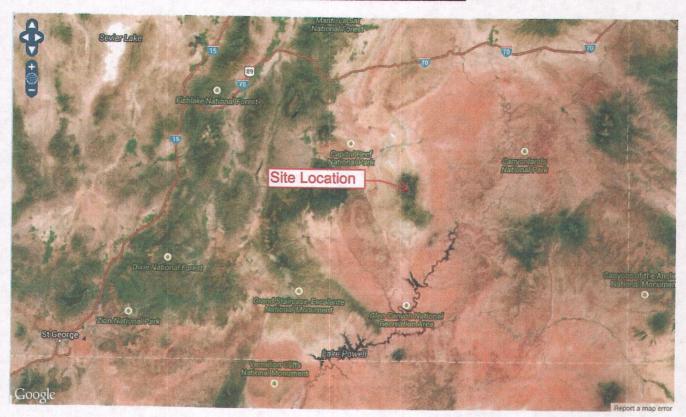
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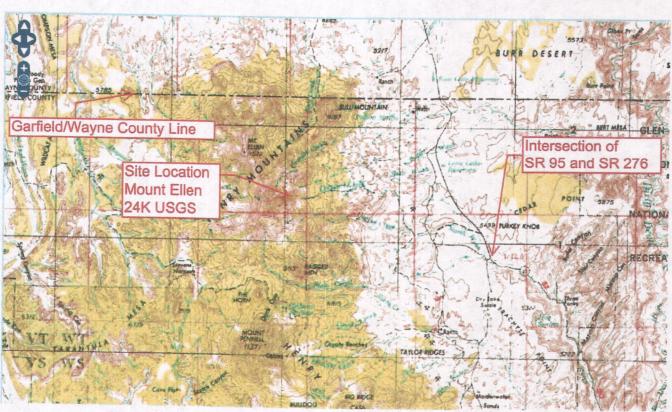
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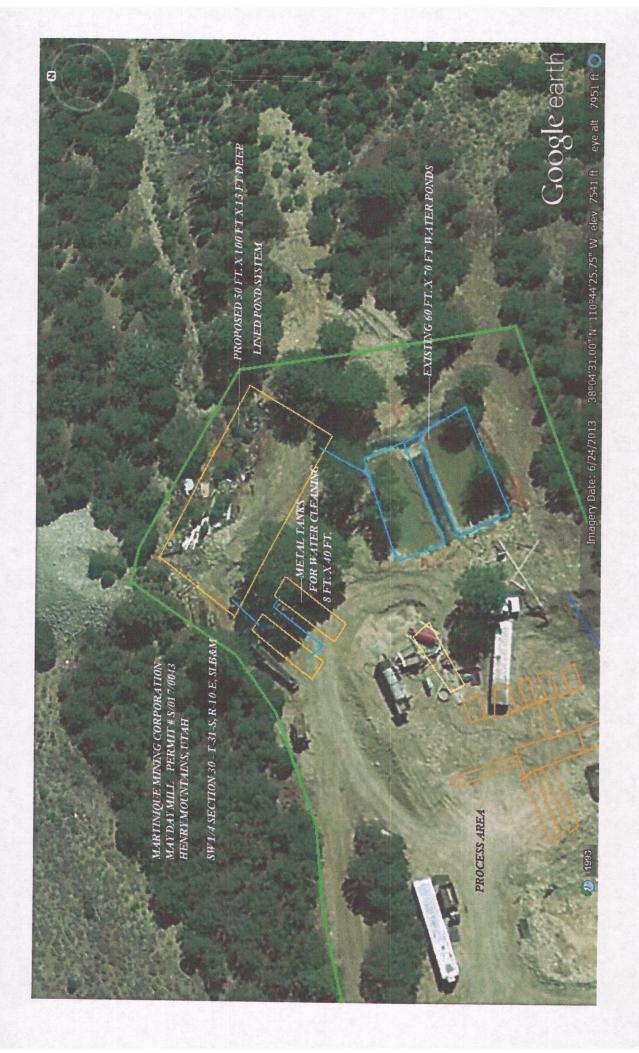
# Location Map SPK-2014-00527-SG

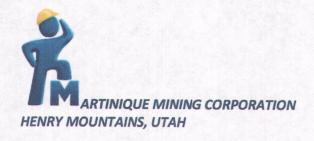




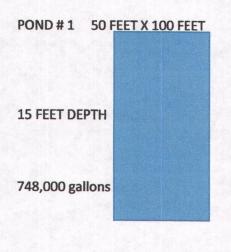


Google earth 38º04'29.24" N 110º44'28.03" W elev 7554 ft eye alt 8735 ft 🔾 8 PROPOSED NEW WATER REITENTION POND SOFEET X 100 FEET AND 15 FEET IN DEPTH 60 FEET X 70 FEET AND 10 FEET INDEPTH PERMIT BOUNDRY PERIMETER / 2.56 ACRES GLE BENCH MAIN ACCESS ROAD Imagery Date: 6/24/2013 MAIN WATER PROCESS AREA STOCKPILE SW 1/4 SECTION 30 T-31-S, R-11-E, SLB& MARTINIQUE MINING CORPOH MAY DAY MILL OVERVIEW MAY DAY # 4 CLAIM





#### MAY DAY MILL - TAILINGS PONDS SCHEMATIC

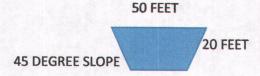


This one new containment pond system would be the only Water pond addition to the May Day Mill site.

The 50' x 100' design would be manufactured in

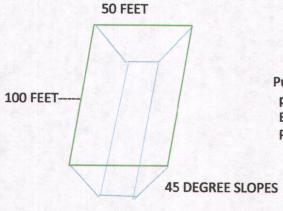
Pineville, Oregon and pre-welded rubberized HDME Plastic lining material. It is made and shipped so that we Roll out the liner for installation and removal.

We would excavate for the pond, and then use fine Materials to compact the pond slopes and bottom To protect the liner from protruding rock and punctures.



**10 FEET BOTTOM** 

The ten foot bottom allows for proper cleaning with Suction pump systems to pump mud and settled Debris from the pond on a monthly basis.



10 FEET BOTTOM

Pumping pond slurry for cleaning insures that no punctures are made in the lining system when Each pond is cleaned. Equipment can damage Pond liners easily.

#### MAY DAY MILL PLAN OF OPERATIONS FLOW SHEET

# MARTINIQUE MINING CORPORATION

### **HENRY MOUNTAINS, UTAH**

# 200 TON PER HOUR FULL CONCENTRATION JIG PROCESS

